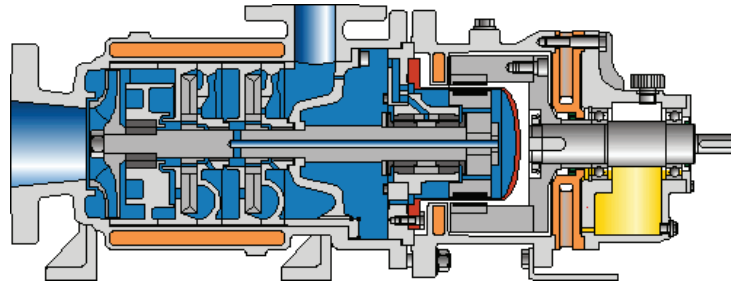


# SLM-SVO REGENERATIVE TURBINE MAGNETIC DRIVE PUMPS

## Multi Stage Regenerative Turbine Pump



### Technical Data

- Flow rates up to 185 GPM
- Total delivery heads up to 1450 feet
- Temperature ratings from -185°F (-120°C) to +575°F (+300°C)
- Pressure rating up to 580 PSIG
- Flange rating per ANSI B16.5 Class 150 and Class 300

### Construction

- horizontal multi-stage regenerative turbine pump
- permanent magnet drive system, no shaft duct
- separation of liquid chamber/atmosphere by means of an isolation shell
- synchronous drive transmitted by inner and outer magnet systems
- internal bearings made of carbon or pure, sintered silicon carbide, alpha grade, liquid lubricated, for absorption of radial and axial loads
- bearings of outer magnet carrier: deep groove ball bearing
- self-priming
- low NPSH first stage impeller

## Materials

suction casing: 316 SS  
impellers: 316 SS  
intermediate casings: 316 SS  
isolation shell: 316 Ti/Hastelloy C4  
inner magnet carrier: 316 Ti/Hastelloy C4  
internal bearings: Carbon/Silicon Carbide,  
Alpha Grade  
bearing frame assembly: Cast Steel/Nodular Cast Iron

## Applications

Refineries  
Chemical and petrochemical  
industries  
Refrigeration and heat  
engineering  
Liquid gas plants  
Galvanic engineering  
Tank installations  
Vacuum technology  
Extracting plants

## Pumping

acids  
lyes  
hydrocarbons  
solvents  
liquid gases  
oxidate  
refrigerants

## Special Alloys

Cast Steel  
304 SS

Other materials available.



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